Global Combat Support System – Marine Corps

HQMC I&L, LPV

3-4 December 2003

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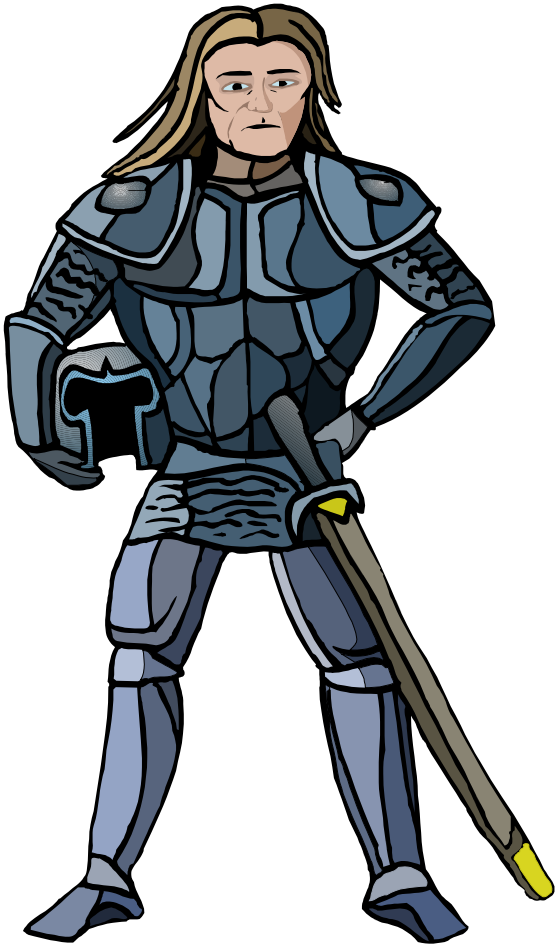
The Tale of Sir Gallahad...

Once upon a time, the humble logistics officer, Sir Gallahad was summoned to see the Commander...



The Commander had been meeting with Sir Lancelot, the Operations Officer to discuss the upcoming mission…

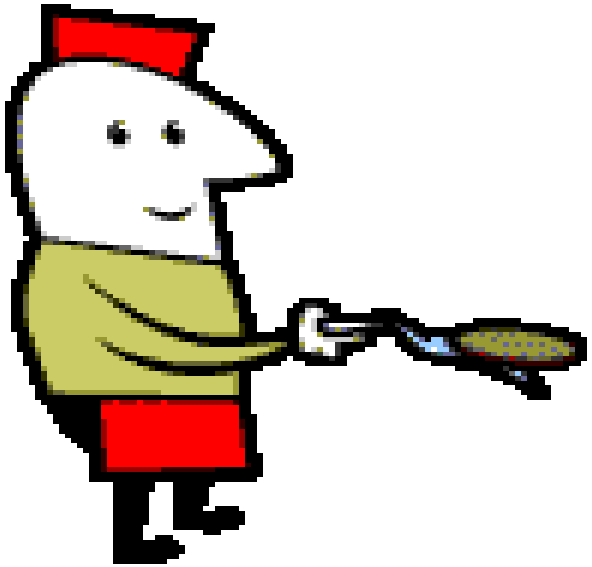
The plan was reviewed, Logistics support required to be successful was identified, Commanders intent and taskings were given...

Sir Gallahad departed to prepare the logistics for the mission...

Sir Gallahad made a list of all the requests to be made in order to execute the mission, and departed on his quest for order fullfillment...

Sir Gallahad needed spare armor, swords, shields, helmets, arrows, stones and slings… He went to see Sir Walter, the Armorer

Sir Gallahad needed Food and water to sustain the Knights in battle... He went to see Sir Chef the cook...



Sir Gallahad needed medical support in case a battle weary Knight was displaced from his trusty steed… He went to see Sir Bones, the Doc

He needed bridging to ford the impassable streams of the enemies stronghold… he went to Sir Scotty, the engineer

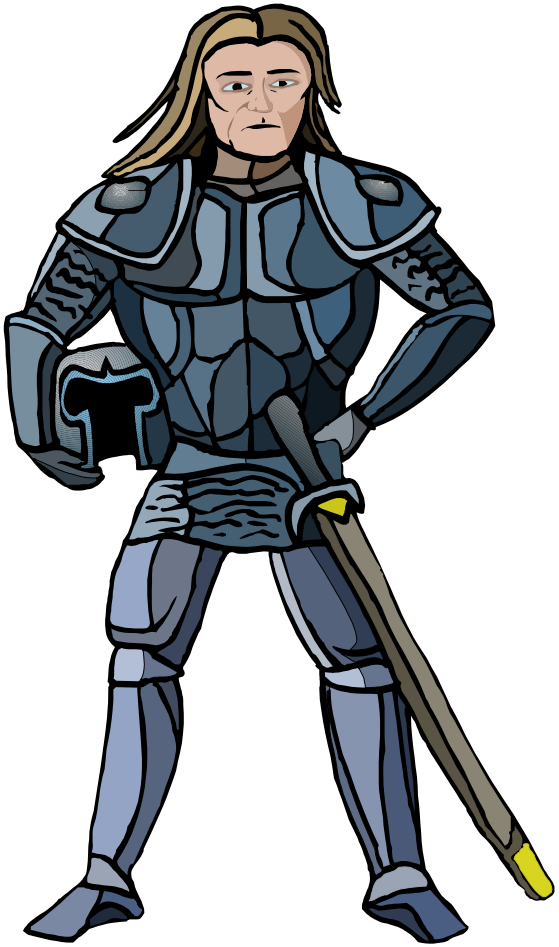
He needed to ensure materiel would be available on the field of battle to those in need... he went to Sir Robin the distributor

Sir Gallahad knew the Knights in their joy of battle would break their precious armaments and would need them repaired… he went to Sir Ivan the maintainer

Sir Gallahad knew for the battle to go splendidly, they must invoke a higher power, …he went to see Sir Padre, the chaplain

Last of all, Sir Gallahad realized he must provide for a flow of sustainment into the area of battle... he went to Sir Chincy, the supplier

Finally, all was ready for the battle, Sir Gallahad went back to the Commander to report his success...



Upon seeing Sir Gallahad, the commander bellowed, “Off with his head!”

Off With His Head Already!!

The stunned Sir Gallahad exclaimed, why my Liege? I have obtained order fullfillment, all is ready for the battle...

A bruised and battered Sir Lancelot stated, thou hast indeed found order fulfillment sir Gallahad, but the battle was yesterday...

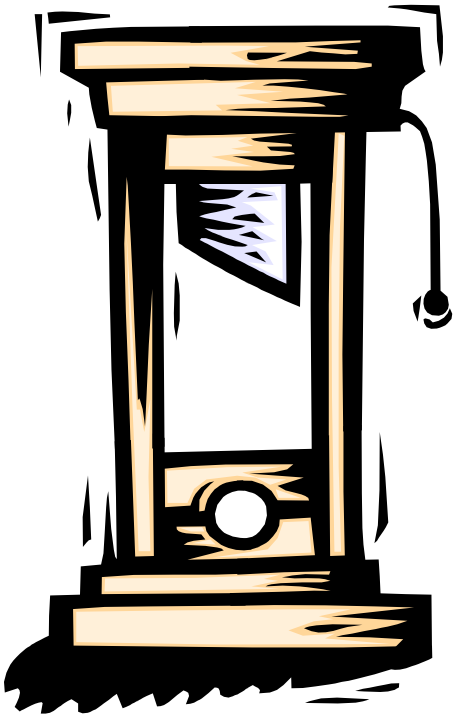
Because our logistics support was absent, our royal tucheses were handed to us by the obnoxious Bad Guys…

The Commander again bellowed, off with his head!

Off With His Head Already!!

As Gallahad was led to the guillotine, he realized that due to the many stops he had made to arrange logistics support, he had failed the commander because he had taken too long… There was not a common process to follow, not a single point to go to for order fulfillment…

As Sir Gallahad’s life came to a close, his dying words were… If only we had a simple process, If only we had an order manager… if only we had a Logistics Operational Architecture…



The moral of the story…
Logistics support a day late,
is no logistics support at all…

The good news from the story is…
We have learned our lesson at Sir Gallahad’s expense

From 1998 – 2002 the USMC invested the time and effort to develop a Logistics Operational Architecture, our way of accomplishing our logistics mission today and tomorrow…

How did we do it?

We gathered USMC logisticians, we visited industry, we visited academia, we mapped out our to be process…

GRAINGER

DELL™

FedEx

U.S. AIR FORCE

UNITED

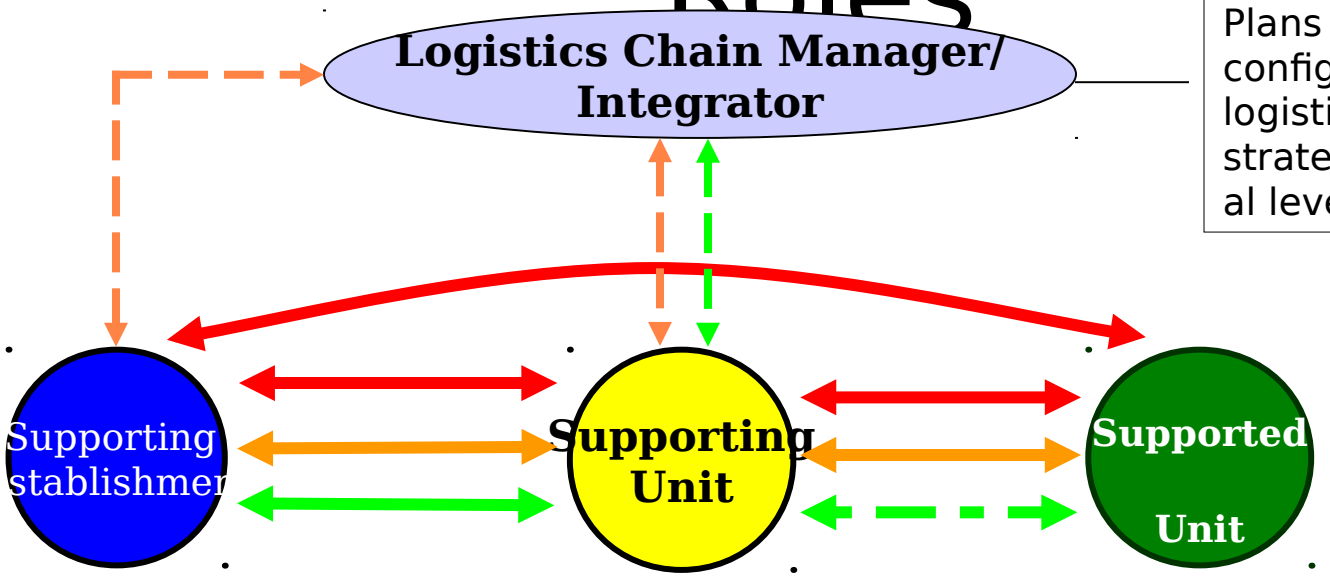
PENSKE

manugistics

Supply-Chain Council

What does the process look like? How does it work?

USMC Logistics Operational Architecture Roles



Plans and configures the logistics chain at strategic/operational level.

External providers. Fulfills customer demands at the request of the supporting unit.

Provides DS/GS CSS to supported units. Plans and manages logistics and CSS capacity at the operational/tactical level.

Generates demand for CSS and conducts mission planning. Identifies requirements to their supporting unit.

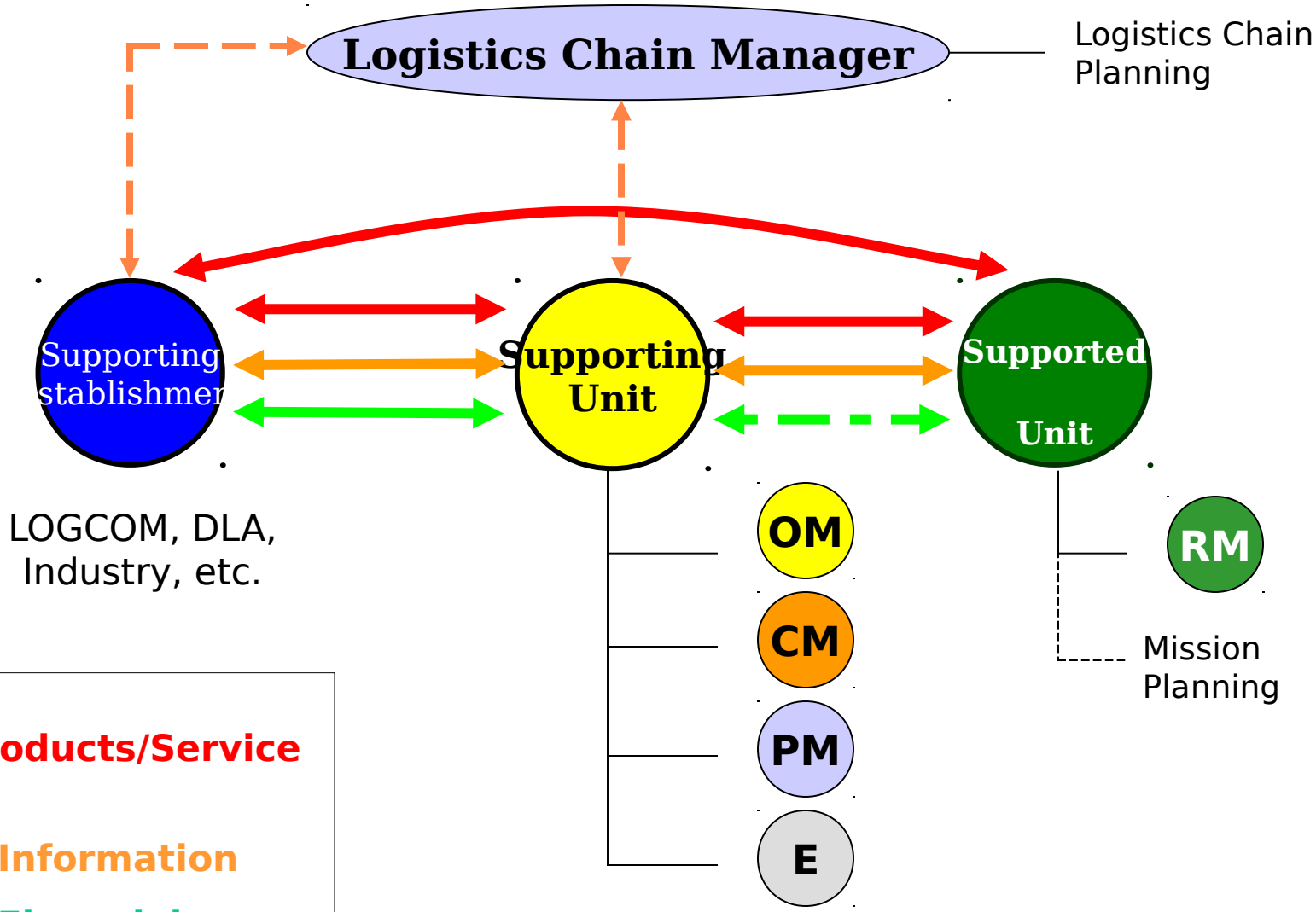
Legend

---- Products/Services ---- Information ---- Financial

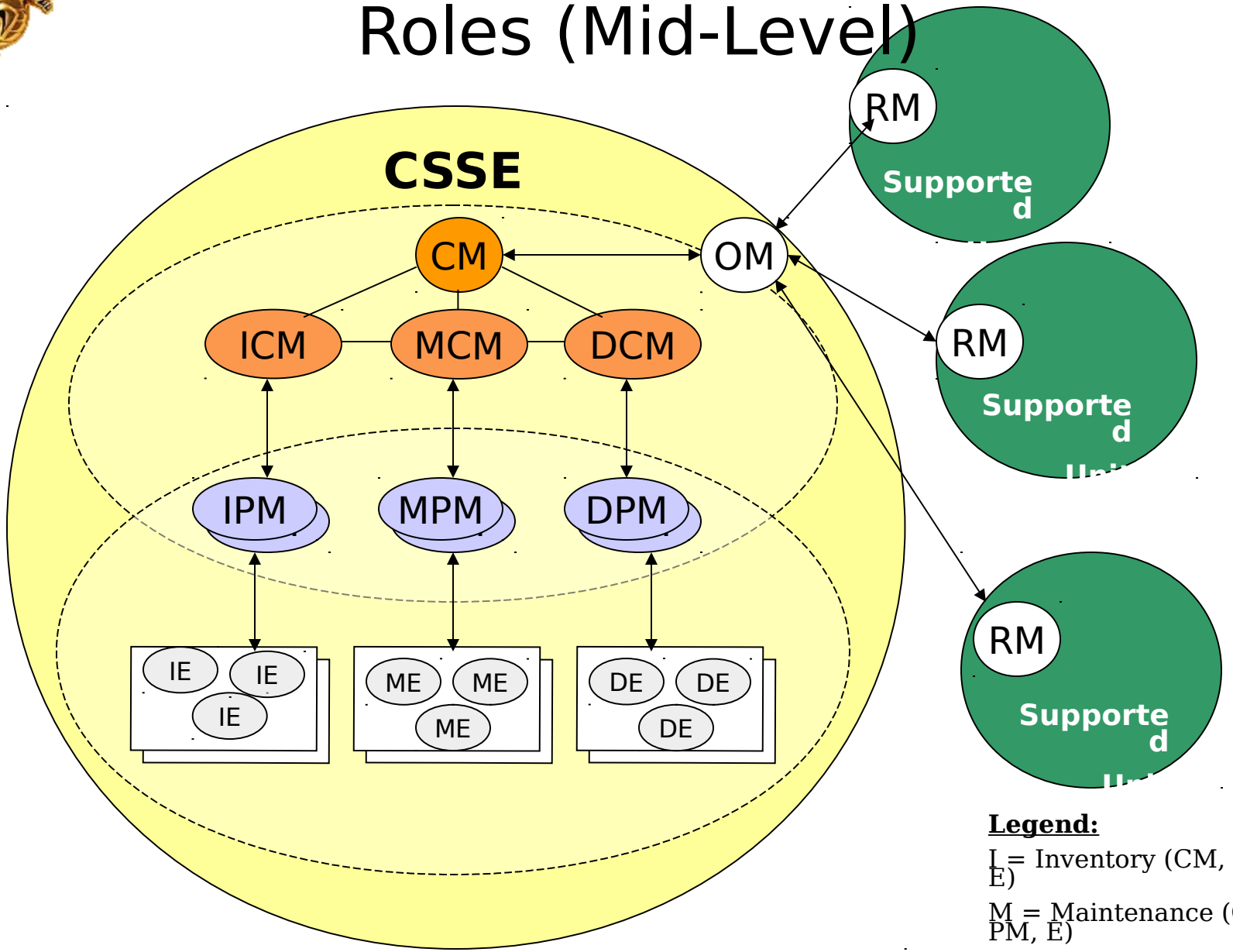
USMC Logistics Operational Architecture Major Functions

- RM — **Request Management**: Function of generating and approving customer demands.
- OM — **Order Management**: Function of routing, coordinating, tasking, and tracking customer orders through to fulfillment.
- CM — **Capacity Management**: Function of managing, optimizing, prioritizing, and planning resources and capacity to fulfill customer demands.
- PM — **Production Management**: Function of coordinating, planning, tasking, and controlling how customer demands are fulfilled.
- E — **Execution**: Function of executing CSS tasks to fulfill customer demands.

Log OA Functions to Roles (High-Level)



Log OA Functions to Roles (Mid-Level)



Legend:

I = Inventory (CM, PM, E)

M = Maintenance (CM, PM, E)

D = (Distribution CM, PM, E)

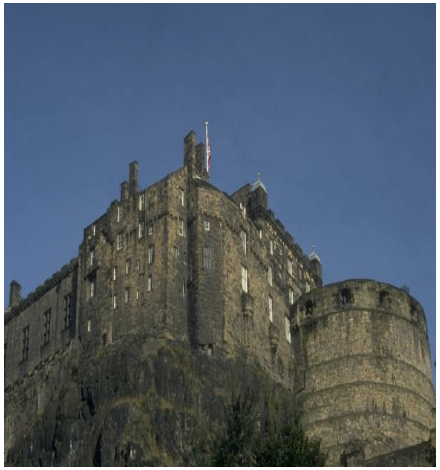
Now that we have an Architecture, Our next step is to look at our IT in support of the architecture…

Does it Fit??

We return to our story…

Once Upon A Time in Mainframe Land …

I MEF



II MEF

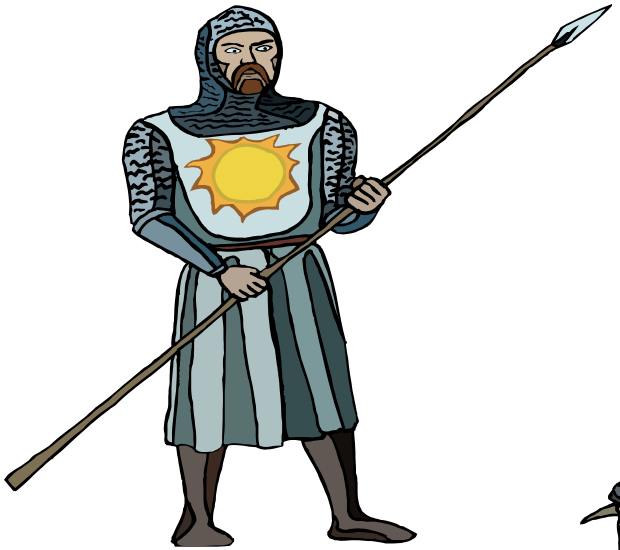
III MEF

MarForRes/Spt Establishmen

The Mainframe Barons Ruled the Land …

I MEF

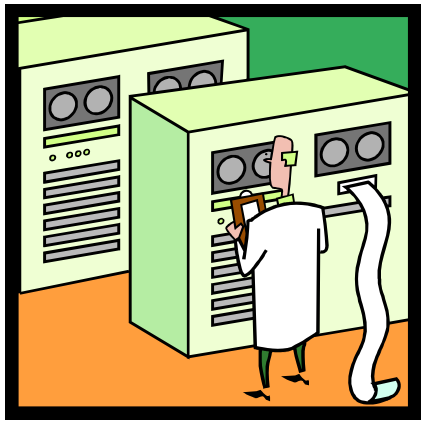
II MEF



III MEF

MarForRes/Spt Establishmen

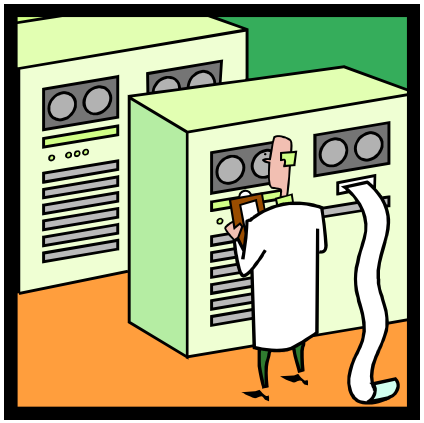
Their Systems Were Old…



And Required Much Care

When Called upon to sally forth…

I MEF



The Systems Stayed Behind

The Barons were not pleased

I MEF

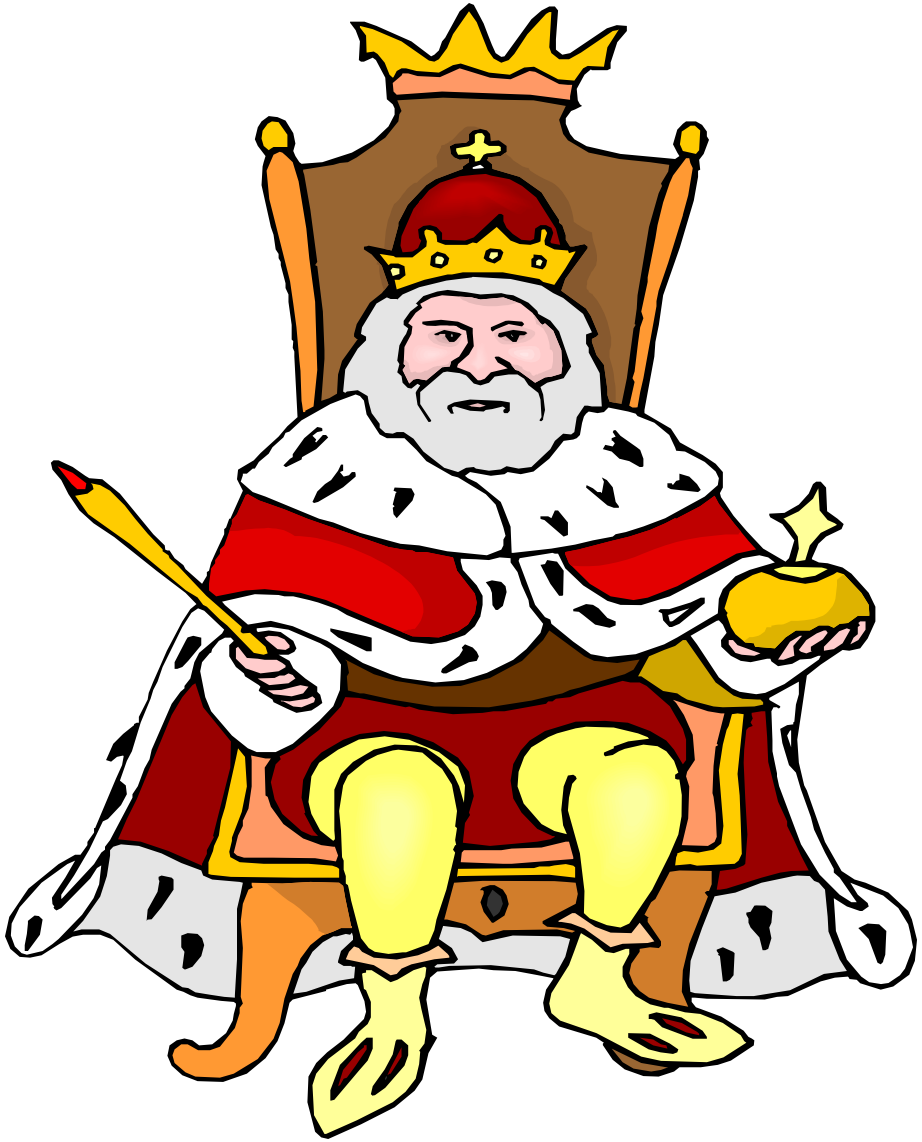
II MEF

III MEF

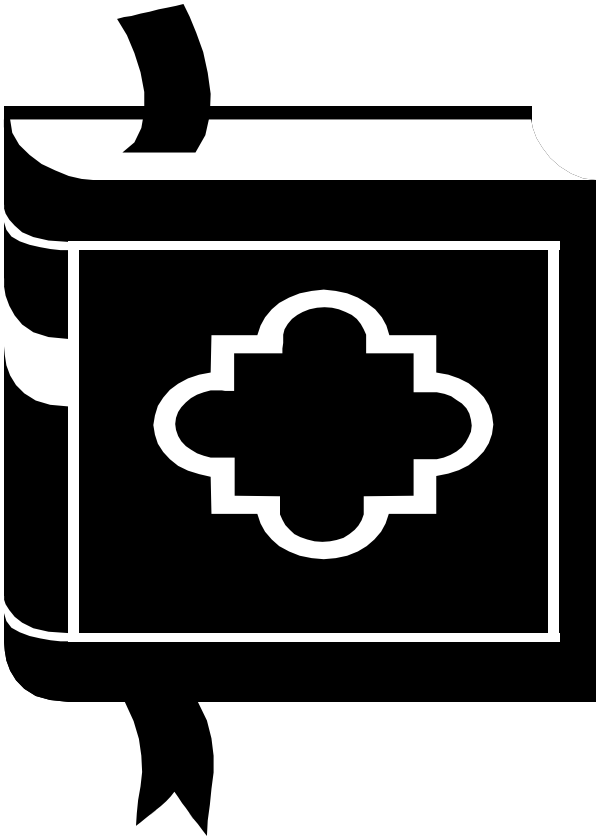
MarForRes/Spt Establishment

And Went to See….

The Advocate



They Presented Him…

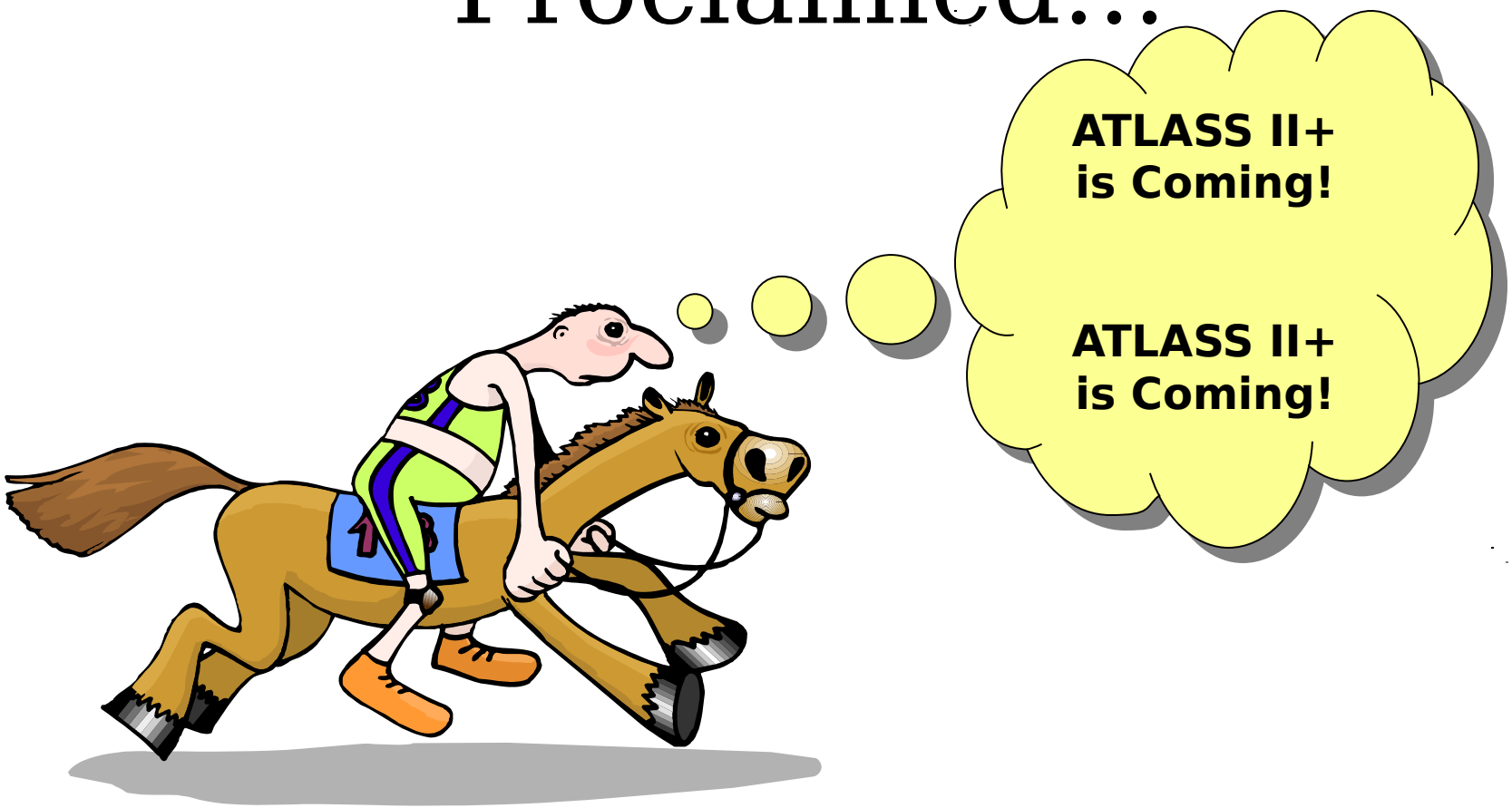


Requirements

The Requirements became a Program …

And a messenger was sent forth to the Barons.

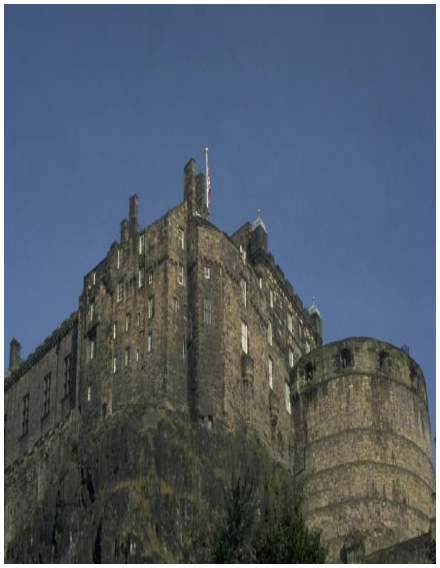
The Messenger Proclaimed…



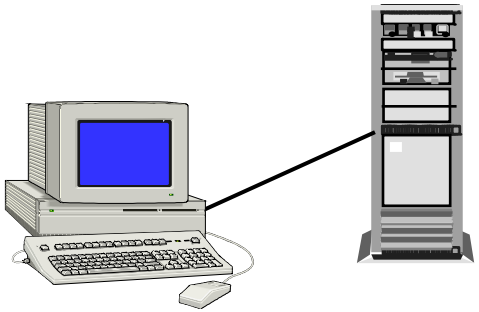
Among the Barons…

There Was much rejoicing

And a New System Arrived at…

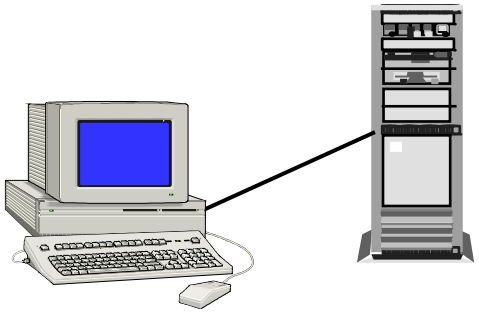


II MEF



ATLASS II+

Unfortunately…



ATLASS II+

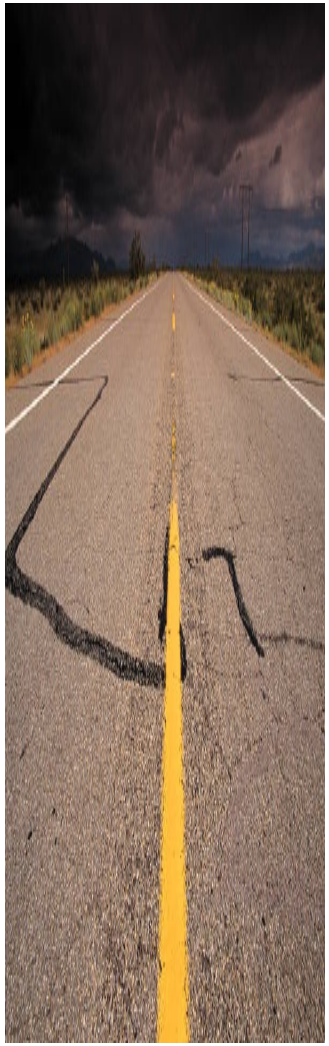
Was based in Old Technology, and did not work well with the Barons systems. It did not fit the new Operational Architecture. It did not support:

RM OM CM PM E LCP

As a result, the new system lost favor with the Advocate. Instead of being fielded to all the Barons, The advocate decreed that ATLASS II+ and the mainframe systems must be replaced, their lights would be turned out, they

Die…

A New Requirements Road was embarked upon… With many mile markers



–USMC MAGTF C4I MNS (CCC 31) 7 March 1997

–GCSS Joint Mission Needs Statement (MNS) 10 Sep 1997

–GCSS-MC ORD Approved by MROC on 29 April 1999

–GCSS Joint Capstone Requirements Document, 5 Jun 2000

–Combat Service Support Portal UNS – 26 July 2001

–Revised ORD during 2002 for JROC Review

–USMC Logistics Operational Architecture Completed in May 2002

–Completed O6 and Flag Level Reviews in Jan 2003

–GCSS-MC ORD Briefed to JRP on 8 July 2003

–GCSS-MC ORD Briefed to JRB on 21 July 2003

–GCSS-MC ORD Briefed via paper JROC in August 2003

–GCSS-MC ORD approved by all services and the Joint Staff in September 2003

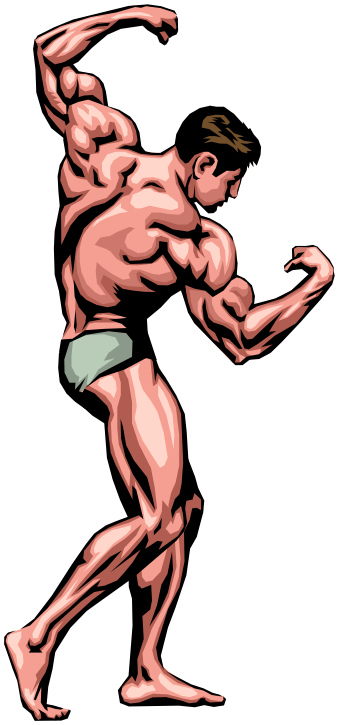
–Vice Chairman of the Joint Chiefs of Staff signed JROC memorandum approving GCSS-MC ORD on 11 Sep 2003

–LtGen Kelly Signed GCSS-MC ORD on 29 Sep 2003

On 1 Oct 2003…The Sun came up on a new baby…

GCSS-MC

Complete with support from:



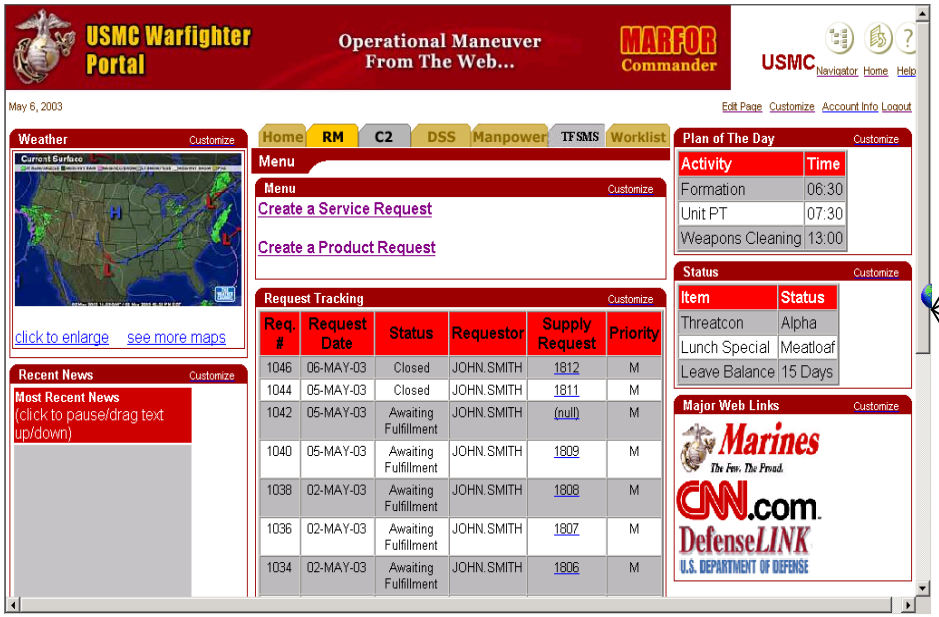
The Advocate

The JROC

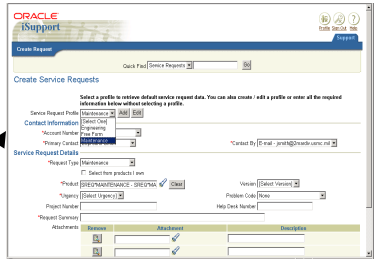
A funding Stream

A New Message is being Sent…

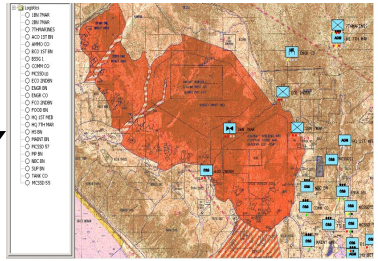
So what exactly is this GCSS-MC?


USMC Warfighter Portal
Operational Maneuver From The Web...
MARFOR Commander
USMC
Navigator Home Help
May 6, 2003
Edit Page Customize Account Info Logout
Weather Customize
click to enlarge see more maps
Recent News Customize
Most Recent News
(click to pause/drag text up/down)
Home RM C2 DSS Manpower TFSMS Worklist
Menu
Menu Customize
Create a Service Request
Create a Product Request
Request Tracking Customize
Req. # | Request Date | Status | Requestor | Supply Request | Priority
1046 | 06-MAY-03 | Closed | JOHN.SMITH | 1812 | M
1044 | 05-MAY-03 | Closed | JOHN.SMITH | 1811 | M
1042 | 05-MAY-03 | Awaiting Fulfillment | JOHN.SMITH | (null) | M
1040 | 05-MAY-03 | Awaiting Fulfillment | JOHN.SMITH | 1809 | M
1038 | 02-MAY-03 | Awaiting Fulfillment | JOHN.SMITH | 1808 | M
1036 | 02-MAY-03 | Awaiting Fulfillment | JOHN.SMITH | 1807 | M
1034 | 02-MAY-03 | Awaiting Fulfillment | JOHN.SMITH | 1806 | M
Plan of The Day Customize
Activity | Time
Formation | 06:30
Unit PT | 07:30
Weapons Cleaning | 13:00
Status Customize
Item | Status
Threatcon | Alpha
Lunch Special | Meatloaf
Leave Balance | 15 Days
Major Web Links Customize
Marines The Few. The Proud.
CNN.com
DefenseLINK
U.S. DEPARTMENT OF DEFENSE

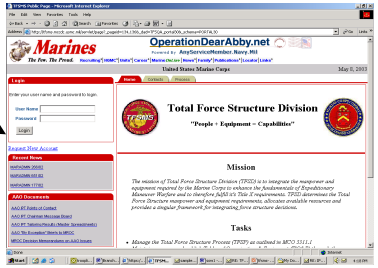
A Web Based Portfolio of COTS and GOTS Logistics Information Systems



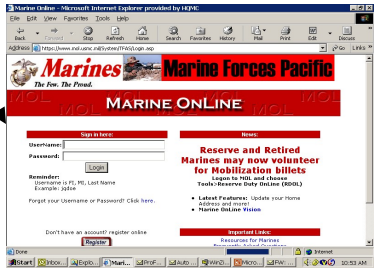
Request Management Order Manageme Logistics Executio



Logistics Command & Control

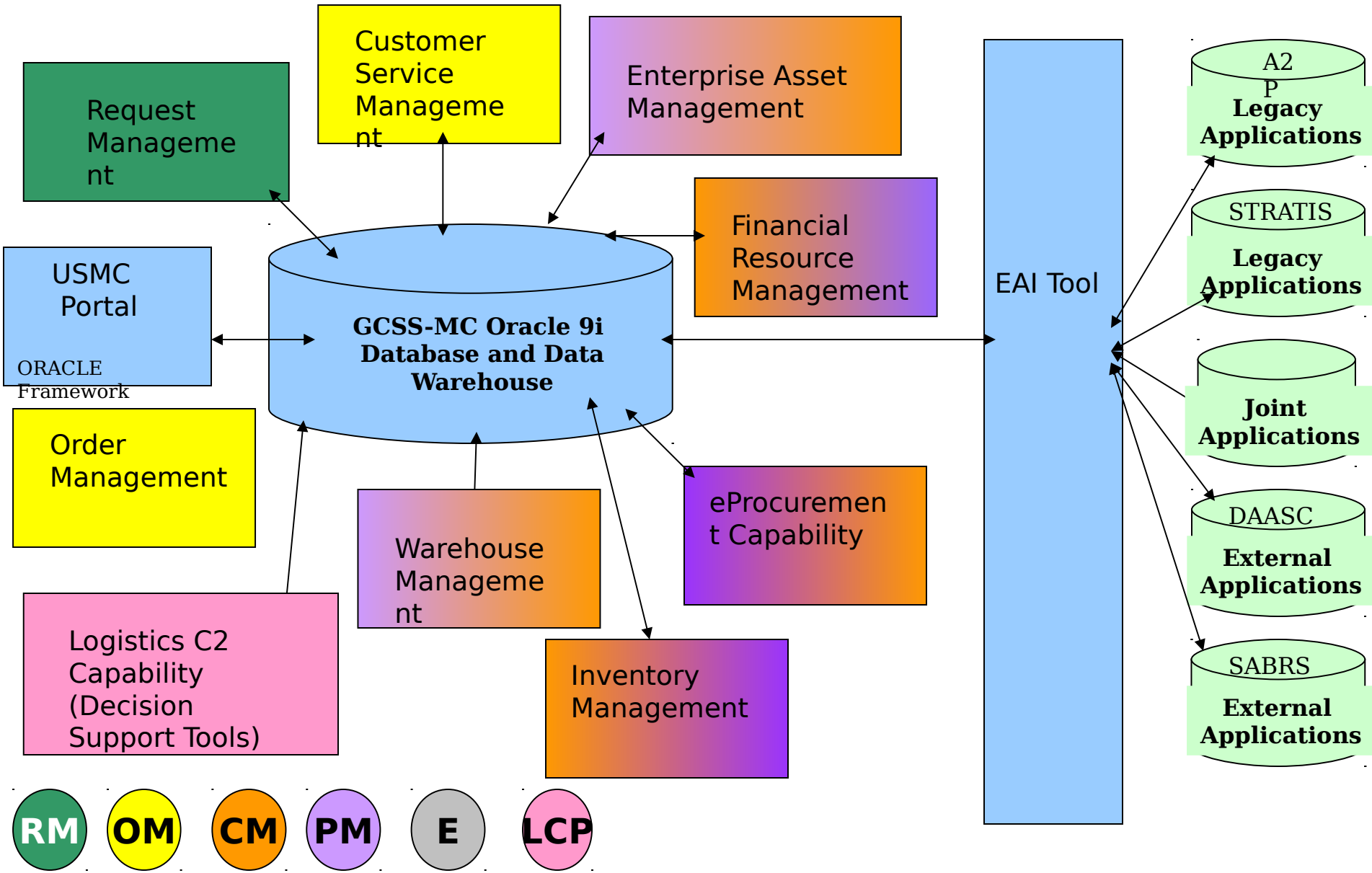


Force Structure



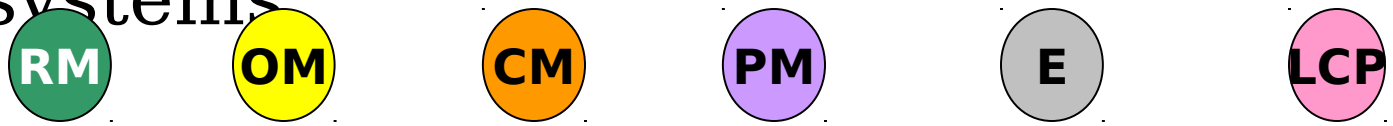
Others, Manpower, DSS, etc.

Elements of GCSS-MC



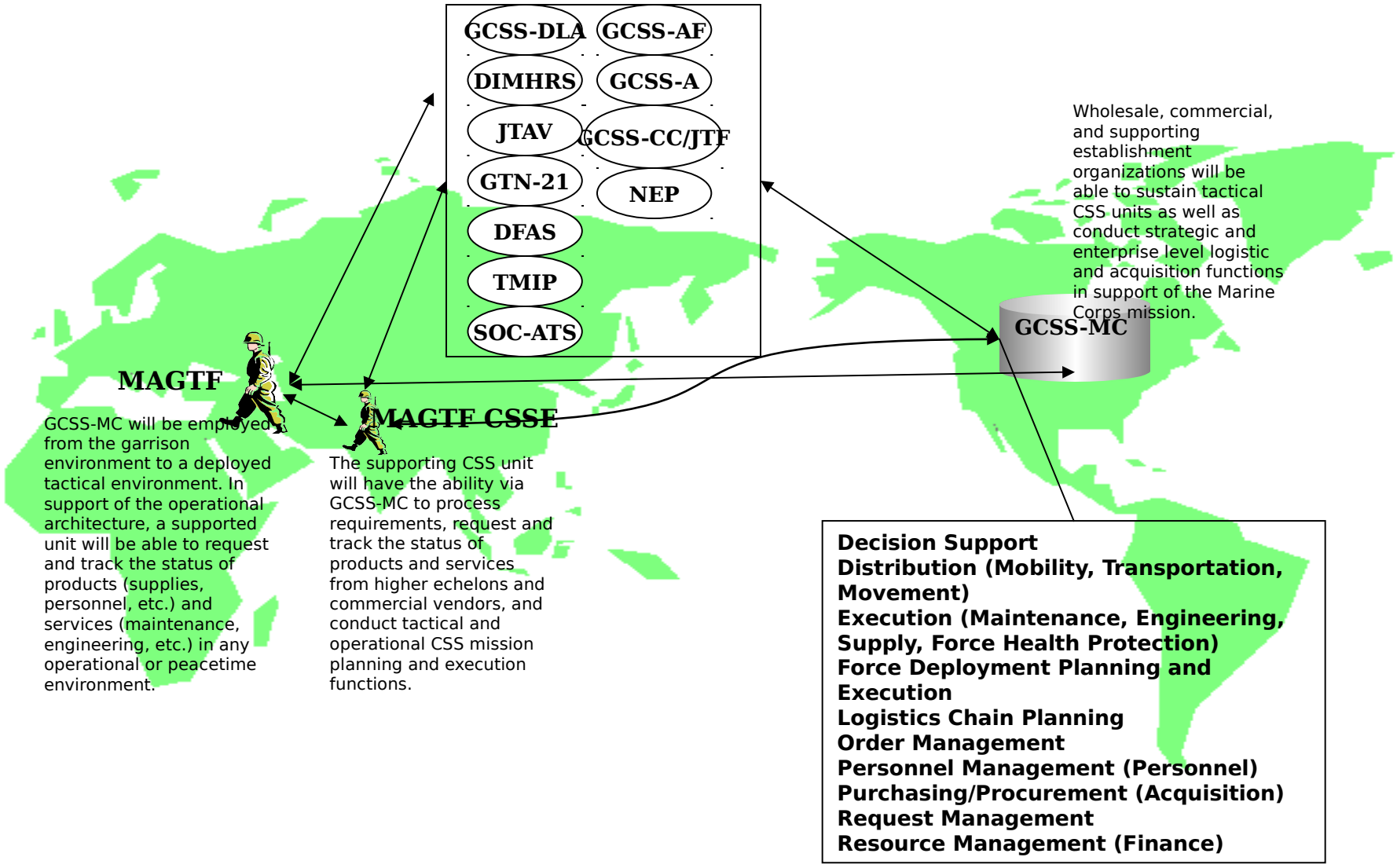
What Will GCSS-MC Do For Us?

- Provide Deployable (Anytime, Anyplace) COTS Software to meet:
  - The Operational Architecture Requirements
  - The ORD Requirements
  - The CC Information Requirements
- Focus of the COTS is on supporting the process, not on replacing existing systems

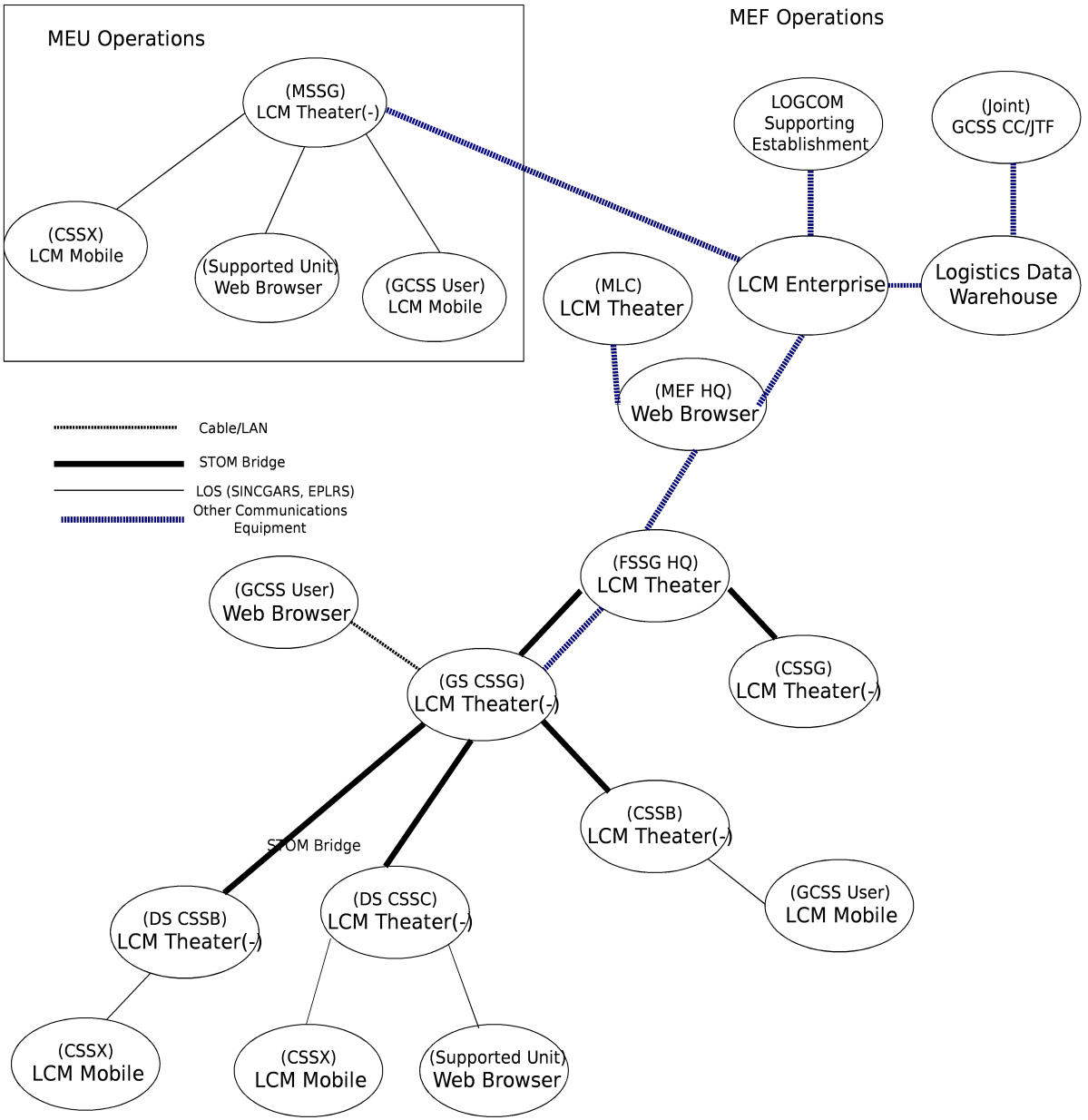


How Will it Work?

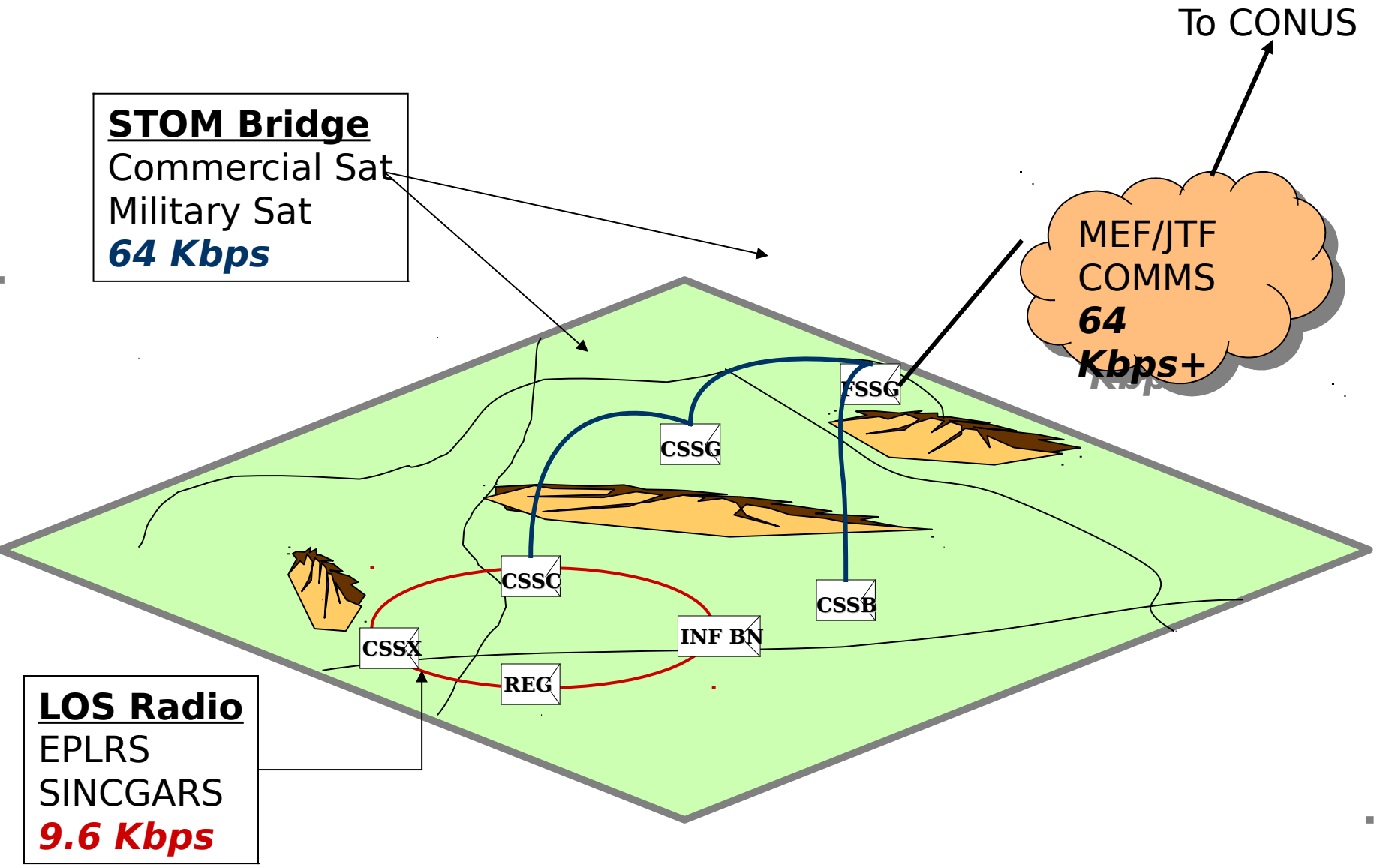
GCSS-MC High Level Operational Concept Diagram (OV-1)


GCSS-DLA
GCSS-AF
DIMHRS
GCSS-A
JTAV
GCSS-CC/JTF
GTN-21
NEP
DFAS
TMIP
SOC-ATS
Wholesale, commercial, and supporting establishment organizations will be able to sustain tactical CSS units as well as conduct strategic and enterprise level logistic and acquisition functions in support of the Marine Corps mission.
GCSS-MC
MAGTF
GCSS-MC will be employed from the garrison environment to a deployed tactical environment. In support of the operational architecture, a supported unit will be able to request and track the status of products (supplies, personnel, etc.) and services (maintenance, engineering, etc.) in any operational or peacetime environment.
MAGTF CSSE
The supporting CSS unit will have the ability via GCSS-MC to process requirements, request and track the status of products and services from higher echelons and commercial vendors, and conduct tactical and operational CSS mission planning and execution functions.
Decision Support
Distribution (Mobility, Transportation, Movement)
Execution (Maintenance, Engineering, Supply, Force Health Protection)
Force Deployment Planning and Execution
Logistics Chain Planning
Order Management
Personnel Management (Personnel)
Purchasing/Procurement (Acquisition)
Request Management
Resource Management (Finance)

GCSS-MC System Communications Layout



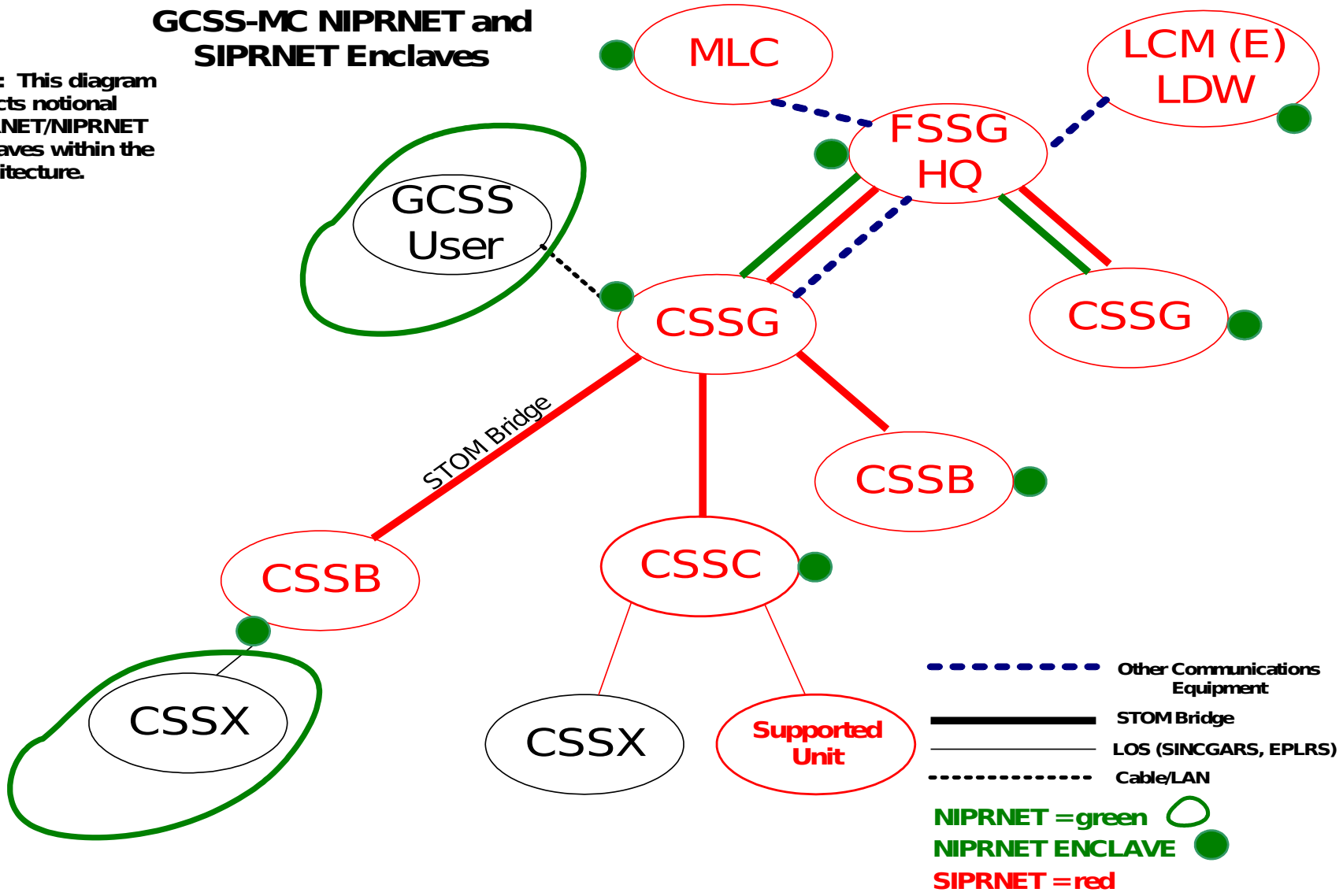
STOM Bridge Concept



NIPRNET/SIPRNET Support

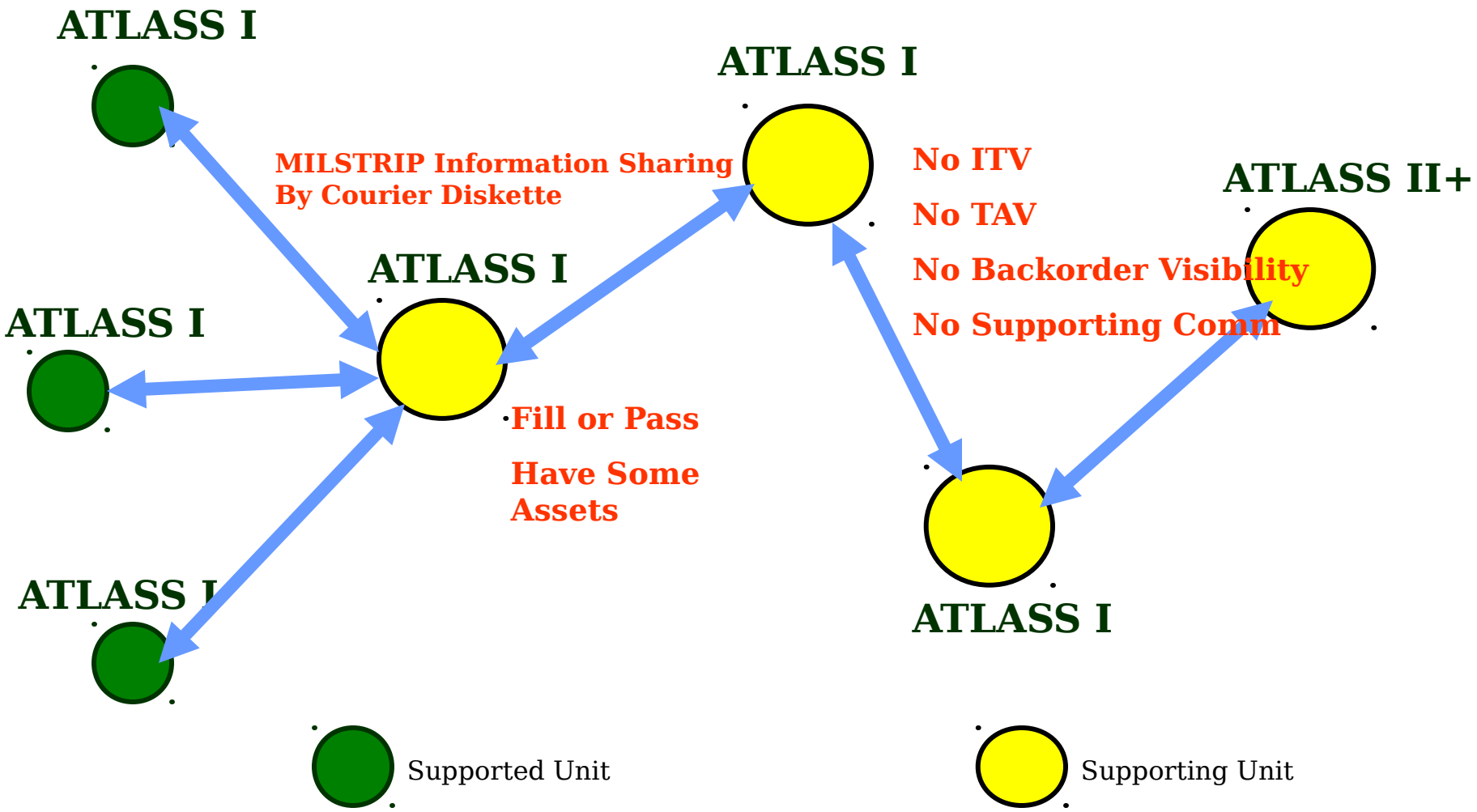
GCSS-MC NIPRNET and SIPRNET Enclaves

Note: This diagram depicts notional SIPRNET/NIPRNET Enclaves within the Architecture.



Questions

Current Situation



How Will the PM Get us what we need?

- Evolutionary Acquisition
  - Incremental Development for Logistics Chain Management
    - *LCM Block 1 replaces "Lights Out" systems*
      - *New Marine Corps Supply and Maintenance Management and Execution Capability*
    - Future Blocks provide additional capability
- *GCSS-MC LCM Architecture serves as the baseline architecture for all GCSS-MC Programs*

How Will the PM Get us what we need?

- RFP For COTS
- Select COTS
- RFP for Integrator
- Select Integrator
- Add SME’s to the Team
- Do the Work
- Test the product
- Field the System
- Manage Through Portfolio Management

When Will We See It?

GCSS-MC
Program Update
Master Schedule Overview